

PENTAX**K-5**

PRODUCT UNDER EMBARGO

HIGHLY SENSITIVE

- * **16.3 Megapixel** CMOS sensor - **23.7** x 15.7mm - High-speed PRIME II Imaging Engine
- * Sensitivity range: **ISO 100** to **51 200**
- * **7 fps** high-speed continuous shooting
- * Shutter speed: **1/8000 sec** max.
- * CMOS-shift **Shake Reduction**, complies with all PENTAX lenses
- * **SAFOX IX+ AF sensor with 11 selectable points**
- * Camera housing of **magnesium alloy**
- * **Weatherproof body with 77 independent seals**
- * Large **100% field of view** viewfinder
- * Wide view angle **3" LCD** monitor, 921 000 dots
- * Video recording in **Full HD** (1960x1080 pixels, 16:9, 25 fps)
- * **Live View** with magnified view, face detection, contrast AF and phase matching
- * **Dust Removal II** mechanism and dust alert function
- * **Dynamic Range Enhancement** (high and low lights correction)
- * **Compact body**: 13cm width
- * Powered by Li-ion battery



	Art. n°	Gencod
K-5 (body only)	14747	0027075176539
K-5 + DA 18-55mm WR	14761	0027075176676
K-5 + DA 18-135mm WR	14775	0027075176812

Dimensions	13.1 x 9.7 x 7.3 cm
Weight (body only, unloaded)	660 g

SUPPLIED ACCESSORIES

	Art No.
AV cable I-AVC7	39552
USB cable I-USB7	39551
Li-ion battery D-LI90	39830
Battery charger D-BC90	39831
AC cable D-C02E	39475
Strap O-ST53	39323
Eye cup FR (already mounted)	30200
Finder cap for ME	31011
Hot shoe cover FK (already mounted)	31040
Body mount cover	31016
Sync socket 2P cap	31042
Bottom of body's cap	30202
Software S-SW110	39758

OPTIONAL ACCESSORIES

	Art No.
DA* 60-250mm f/4.0 SDM lens	21750
AF160-FC Macro flash	30477
AF540-FGZ flash	30425
Battery grip D-BG4	39846
Matte focusing screen MF-60 AF square	38578
Matte focusing screen ML-60 divided	38579
Matte focusing screen MI-60 AF scaled	38580
Sensor cleaning kit O-ICK1	39357
Neoprene camera case	50222
Large nylon K-bag	50250
Magnifying Eye cup O-ME53 (1.2x)	30150
Cable release CS 205	37248
Waterproof remote control O-RC1	39892
Battery charger kit K-BC90E	39834
AC adapter kit K-AC50E	39363



DA* 60-250mm lens



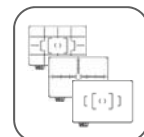
AF540-FGZ flash



AF160-FC Macro



Battery grip



Focusing screens



Sensor cleaning kit



Neoprene case



Large K-bag



Magnifying Eye cup



Cable release



WP remote control



AC adapter kit



TECHNICAL SPECIFICATIONS

TYPE

Type	TTL autofocus, auto-exposure SLR camera with built-in retractable P-TTL auto pop-up flash
Lens mount	PENTAX KAF2 bayonet mount
Compatible lenses	PENTAX KAF3, KAF2 (power zoom not compatible), KAF, K-mount (with restrictions) lenses ; compatible with SDM ultrasonic lenses Compatible with S-mount lenses, 67 / 645 / M-42 lenses (adapters ref 37954, 38455 or 30120 required with restrictions)

IMAGE SENSOR

Sensor type	23.7 x 15.7mm CMOS, with primary colour filter
Number of pixels	Approx. 16.3 megapixels - effective
Stabilization	Sensor-shift system (4-stop shutter speed benefit)
Dust Removal	DR II mechanism and Dust Alert function

RECORDING AND IMAGE FORMATS

Image formats	RAW 14 bits (PEF, DNG), JPEG (Exif 2.21), DCF 2.0 RAW and JPEG simultaneously recordable
Image sizes	JPEG: 16M (4928x3264), 10M (3936x2624), 6M (3072x2048), 2M (1728x1152 pixels) JPEG: 4 quality levels (* good, ** better, *** best, **** premium) RAW: 16M (4928x3264)
Colour space	sRGB, Adobe RGB
Support	Compatible with SD and SDHC memory cards

VIEWFINDER

Type	Penta-prism
Focusing screen	Natural Bright Matte III focusing screen, exchangeable
Coverage	Approx. 100%
Magnification	Approx. 0.92x (w. FA 50mm f/1.4 at infinity)
Eye relief	Approx. 21.7mm from the view window, Approx. 24.5mm from the center of the lens
Diopter adjustment	Approx. -2.5 +1.5m ⁻¹
Electronic level	Horizontal display

LCD SCREEN

Type	3" (7.6cm) colour LCD, 921k dots, with AR coating Adjustable brightness and colours Scratch resistant protective glass with AR coating
Angle of view	170° wide-angle viewing, horizontally and vertically
Digital preview	For confirming WB and exposure
Other features	Single image or index view (up to 81 images), Image Comparison, Magnification (up to 32x, scroll and quick magnification available), Rotation, Calendar view, Folder view, Histogram (Y histogram, RGB histogram), Slideshow, Bright/Dark area warning, Resize, Cropping, Copyright and detailed Exif information display
Electronic level	Horizontal and tilt display

LIVE VIEW

Field of view	Approx. 100%
Enlargement	In AF mode: 2x, 4x, 6x, in Manual mode: 2x, 4x, 6x, 8x, 10x
Autofocus	Contrast detection, Face detection, phase difference detection
Options	Grid pattern, histogram display, bright/dark area warning

FOCUSING

Type	SAFOX IX+ with TTL phase-matching detection
AF points	11 points (9 cross type in the center) 5-point or 11-point Auto, Select or Center
Focus mode	Auto (AF.A), Single with focus-lock (AF.S), Continuous (AF.C)
LED AF assist lamp	Available

EXPOSURE CONTROL

Metering system	TTL open-aperture 77-segment metering
Metering mode	Multi-segment, center-weighted or spot metering
Operational range	EV 0 - EV 22 (at Standard ISO 100 with FA 50mm f/1.4)
Exposure modes	Green, Program (P), Sensitivity-Priority (Sv), Shutter-Priority (Tv), Aperture-Priority (Av), Shutter and Aperture Priority (TAV), Metered Manual (M), Bulb, X, User, Video
Exposure compensation	± 5EV (selectable EV steps: 1/3 or 1/2 steps)
Auto Exposure Lock	Available via dedicated AE-L button
Shutter type	Electronically controlled vertical-run focal plane
Shutter speeds	Auto and manual: from 1/8000 to 30 sec (1/3 EV steps or 1/2 EV steps), Bulb
Sensitivity range	ISO Auto: from 100 to 12800, ISO Extended: from 80 to 51200 Bulb mode: up to ISO 1600 1/3, 1/2 or 1EV steps

SYSTEM REQUIREMENTS

Operating systems	PC: Windows XP SP2, Vista™ and 7 Mac: OS X 10.3.9 or above
Supplied software	PENTAX Digital Camera Utility 4

FLASH

Built-in flash	Guide Number: approx 13 (ISO 100/m)
Metering system	Auto P-TTL retractable auto pop-up flash
Flash coverage	Wide-angle lens, equivalent to 28mm in 35mm format
Modes	Auto, manual (on/off), red eye reduction, slow-speed sync, rear curtain sync, high-speed sync and wireless sync with PENTAX dedicated external flash
Synchronization	1/180 sec, high speed, P-TTL, wireless
Exposure correction	From -2EV to +1EV (in increments of 1/2 EV)
External flash	Hot-shoe flash, P-TTL flash sync available with dedicated wireless system, with dedicated flash

POWER SUPPLY

Battery	Rechargeable D-LI90 Lithium-ion battery
Other sources	Optional Battery grip D-BG4 and AC adapter K-AC50E
Capacity	Approx. 740 shots w/50% flash*, approx. 980 shots w/o flash and 440 min in play mode w/ D-LI90

INTERFACES

Video outputs	mini - HDMI and AV outputs, compatible with NTSC and PAL
USB	USB 2.0 mini-B (Hi-Speed)
Others	DC power input, cable release, X-sync socket, stereo mic. input

RECORDING PARAMETERS

Drive modes	One shot, Self-timer (2 or 12 sec), Continuous shooting (Hi, Lo), Remote control (0, 3 sec or continuous), Super-Impose (up to 9 pictures), Interval up to 999 pictures, Exposure bracketing (2, 3 or 5 frames, also available with self-timer and remote control), Mirror lock-up (w/ or w/o remote control)
Continuous shooting	Hi-speed: approx 7 fps for 22 frames in JPEG*** / for 8 in RAW Lo-speed: approx 2.0 fps unlimited up to card's max. capacity in JPEG*** / up to 12 in RAW
Custom Image	Bright, Natural, Portrait, Landscape, Vibrant, Muted, Reversal Film, Monochrome, Bleach Bypass
White balance	Auto, Daylight, Shade, Cloudy, Fluorescent light (D, N, W, L), Tungsten light, Flash, CTE, Manual (configuration on monitor, colour temperature from 2500 to 10000K, 100K steps)
Fine adjustment	Adjustable ±7 steps on A-B axis or G-M axis
Image processing	Long-exposure Noise Reduction, High-ISO Noise Reduction, D RE (Dynamic Range Enlargement) which provides maximum details in highlights and shadows, Compensation of distortion and lateral chromatic aberration, Cross processing (Shuffle, Preset 1-3, Favorite 1-3), HDR (Auto, standard, Strong 1-3, automatic composition correction function), Multi-exposure (Auto, Standard, Strong 1-3, Automatic composition correction function), Automatic levelling, Composition adjustment (vertical and horizontal range: ±1.5mm), Extended bracketing (White Balance, Saturation, hue, high/low key adjustment, contrast and sharpness bracketing)
Digital filters	Toy Camera, Retro, High-contrast, Extract colour, Soft, Starburst, Fish-eye, Custom

MOVIE

File format	AVI (Motion JPEG) ; record time: up to 25 min
Recorded pixels	Full HD (1960x1080, 16:9, 25 fps), HD (1280x720, 16:9, 30 or 25 fps, VGA (640x480, 4:3, 30 fps or 25 fps)
Quality levels	* good, ** better, *** best
Sound	Built-in monaural microphone, external microphone input
Movie processing	Custom Image (Bright, Natural, Portrait, Landscape, Vibrant, Muted, Monochrome, Reversal Film, Bleach Bypass), Cross processing (Shuffle, preset 1-3, favorite 1-3), Digital filters (Retro, Toy Camera, High-contrast, Extract Colour, Colour)

OTHER FEATURES

World time	75 cities, 28 time zones
Folder names	Date (100_MMDD...), PENTX (100PENTX...)
Language	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Chinese (Traditional/Simpl.), Japanese
Digital Filters (Playback)	Toy Camera, Monochrome, Retro, Colour, High Contrast, Soft, Extract Colour, Star Burst, Sketch, Water Colour, Fish-Eye, Pastel, Slim, Miniature, HDR, Posterization, Base Parameter Adjustment, Custom Filter
Custom buttons	40 custom functions and memory modes, USER mode (up to 5 settings), RAW/Fx button (One push RAW+, Exposure bracketing, Digital preview, Composition adjustment, Electronic level display), AF button (Enable AF, Cancel AF), Dials customizable specifically to each exposure modes
Other	RAW development, Copyright information, AF fine adjustment (+/- 10 steps, uniform or individual adjustment), Resize, Cropping (Aspect alteration, Slant adjustment available), Index, Movie Edit (Segmentation, Partial delete), Frame Crop (JPEG)

DIMENSIONS AND WEIGHT

Dimensions	131 x 97 x 73 mm (WxHxD) excluding protrusions
Weight	660 g body only, 740 g with Li-ion battery and SD card

* Tested in compliance with CIPA standard. Actual result may vary according to the shooting conditions/circumstances.